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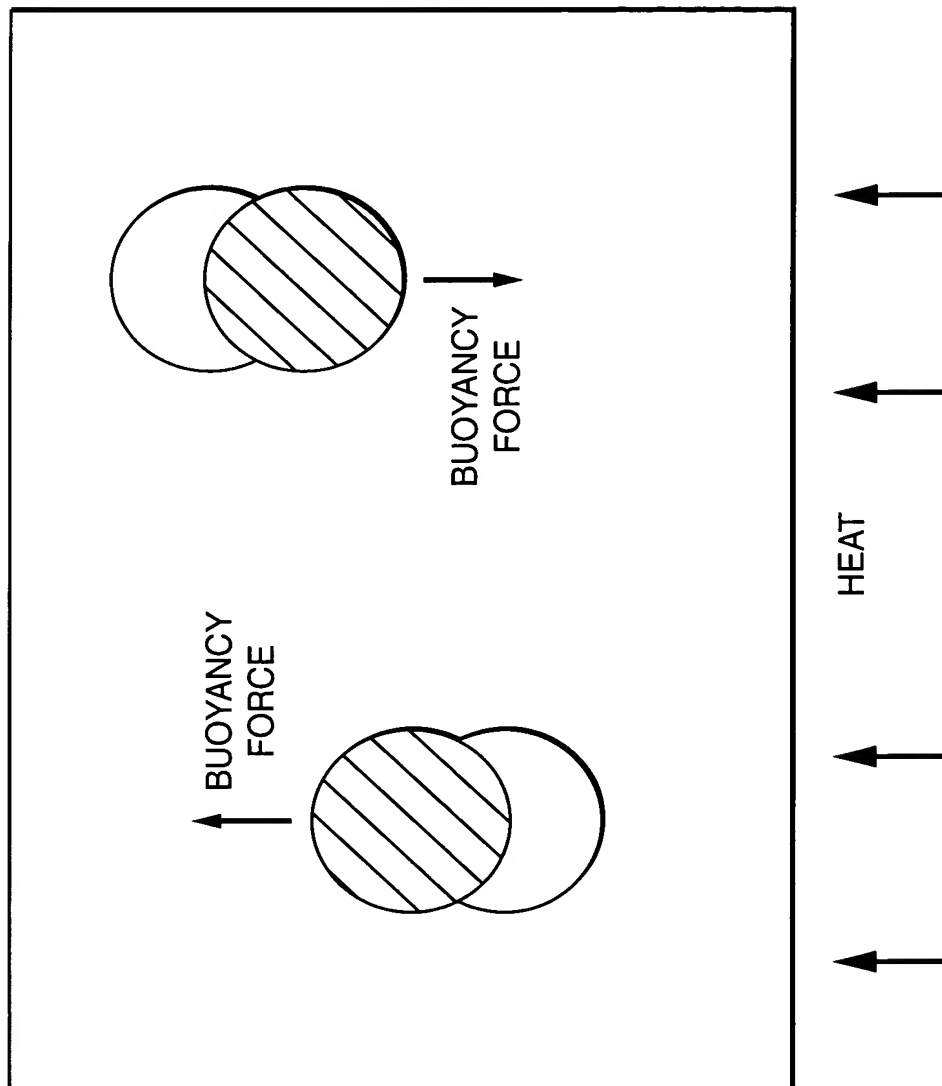
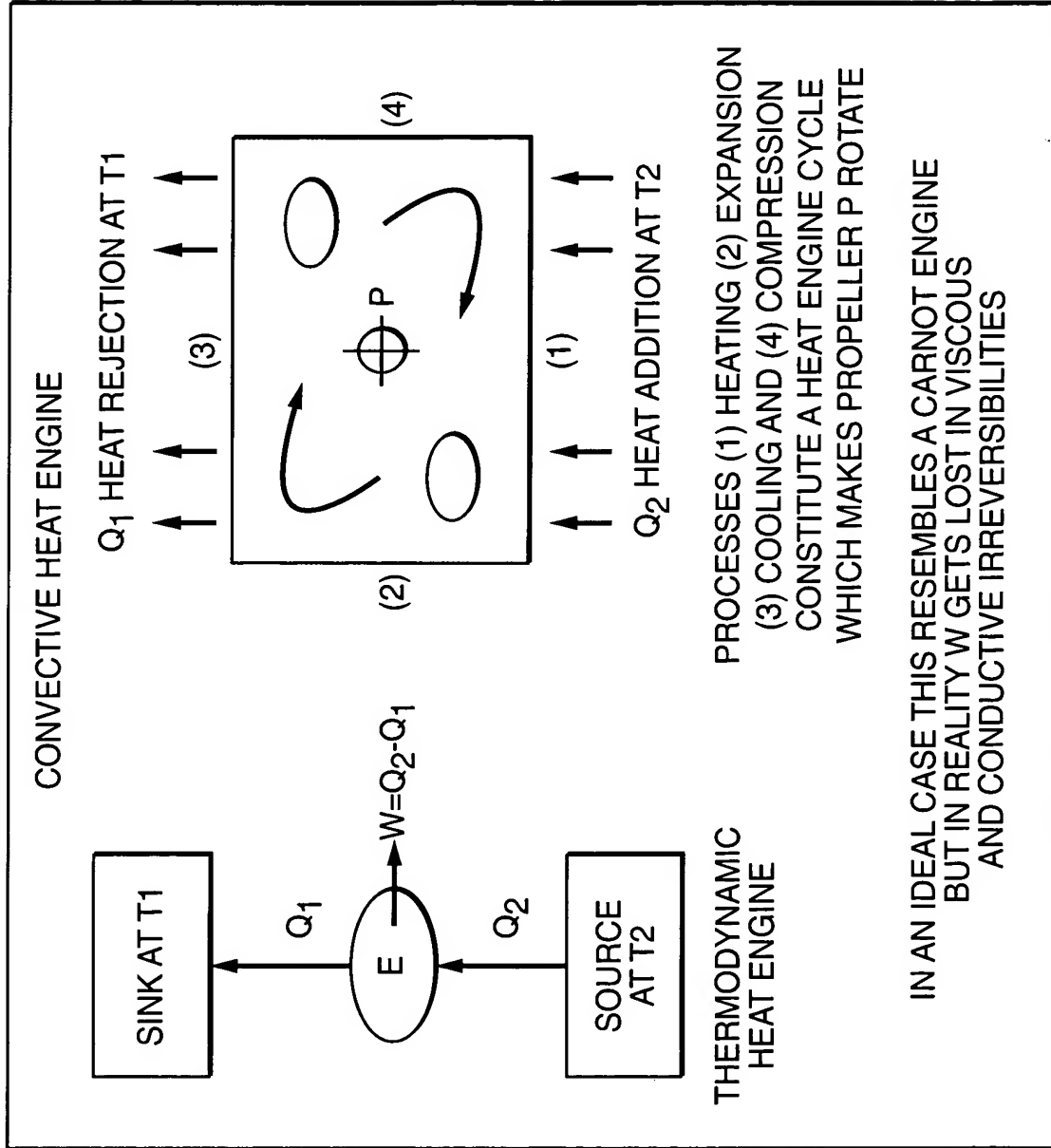


FIG. 1



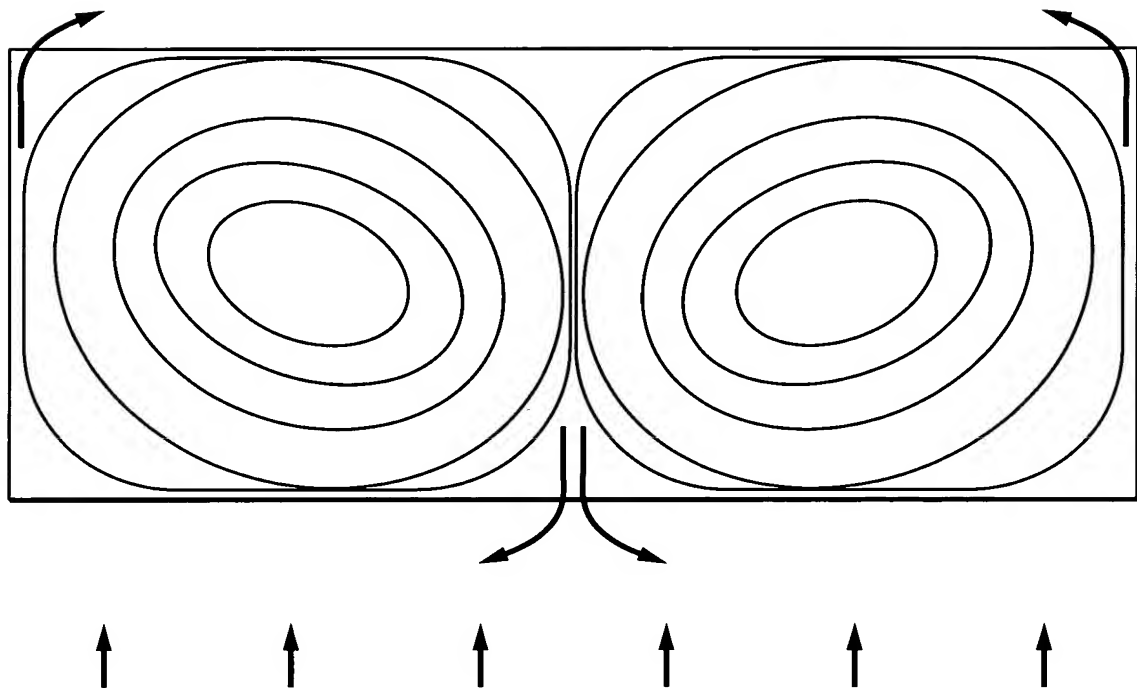


PLATE HEATED FROM BELOW

ENERGY IS TRANSFERRED FROM BOTTOM TO TOP BY THE  
CONVECTION CELLS FORMED IN THE FLUID WHEN  
 $Ra$  EXCEEDS 1708. THE DIRECTION OF ROTATION OF  
TWO ADJACENT CELLS ARE SHOWN IN THE FIGURE

FIG. 3

CLASSICAL MARBLE-IN-A-BOWL ANALOGY OF  
STABILITY ANALYSIS OF ONSET OF CONVECTIVE FLOW

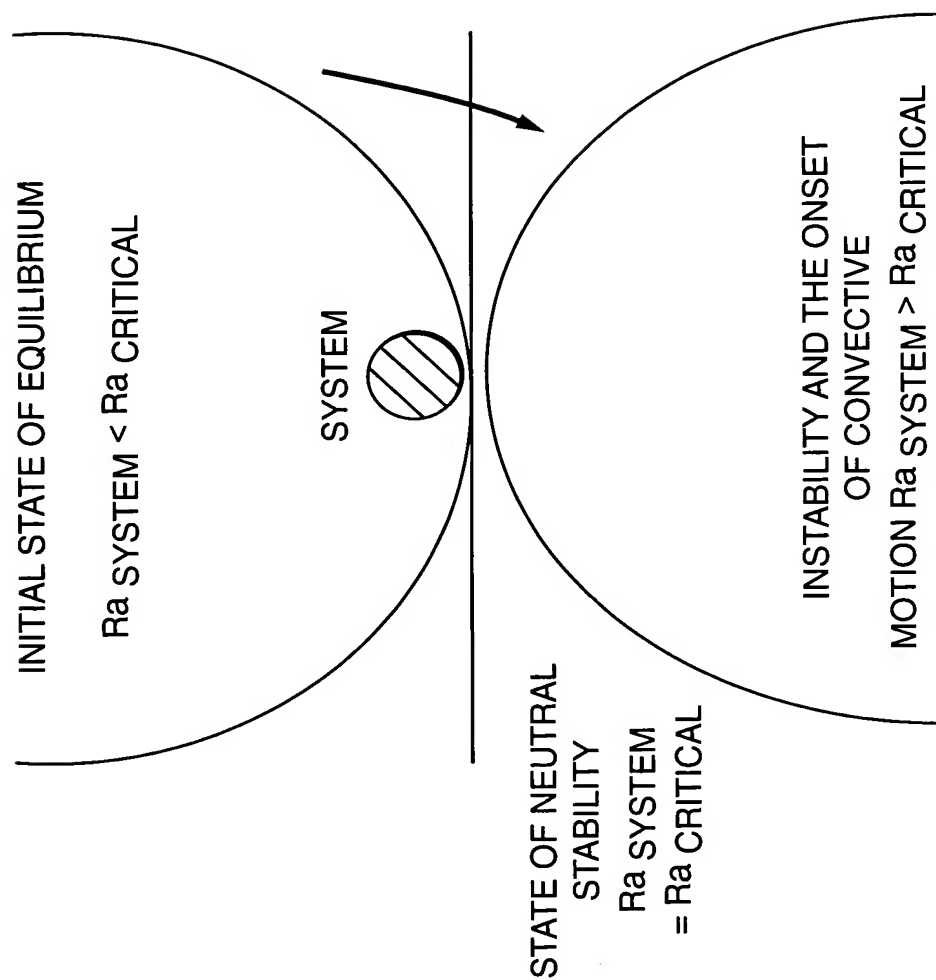


FIG. 4

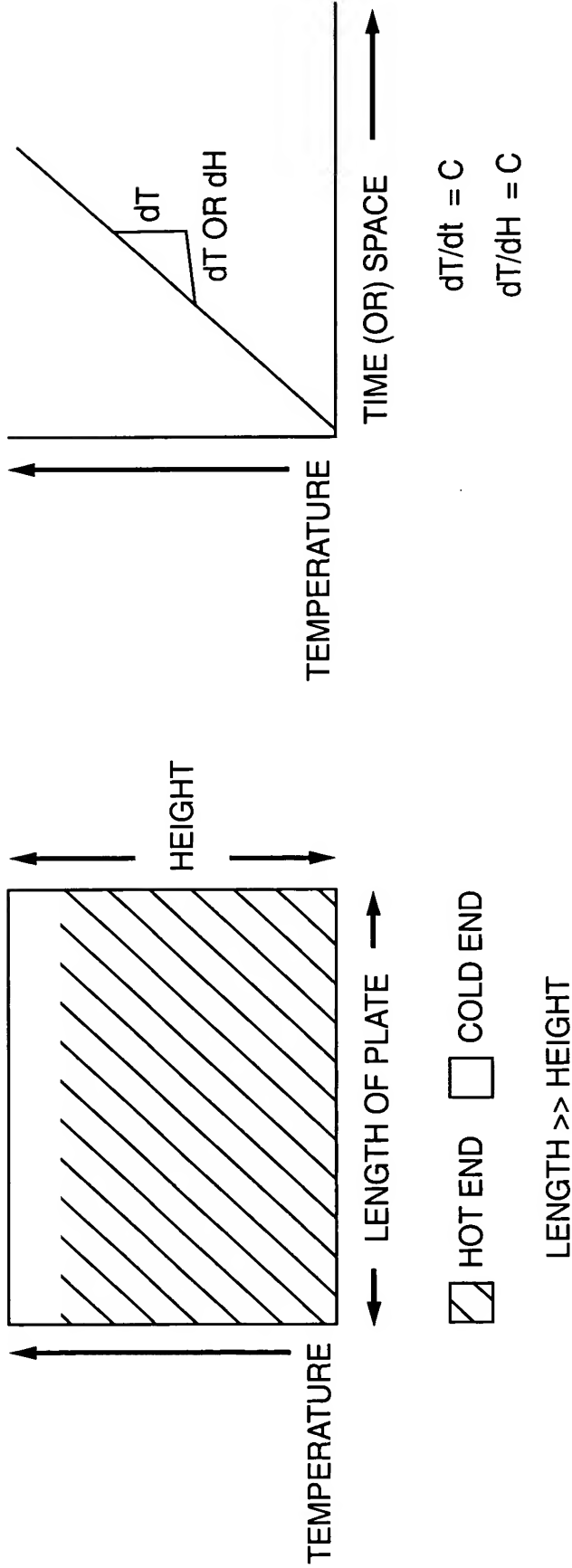


FIG. 5

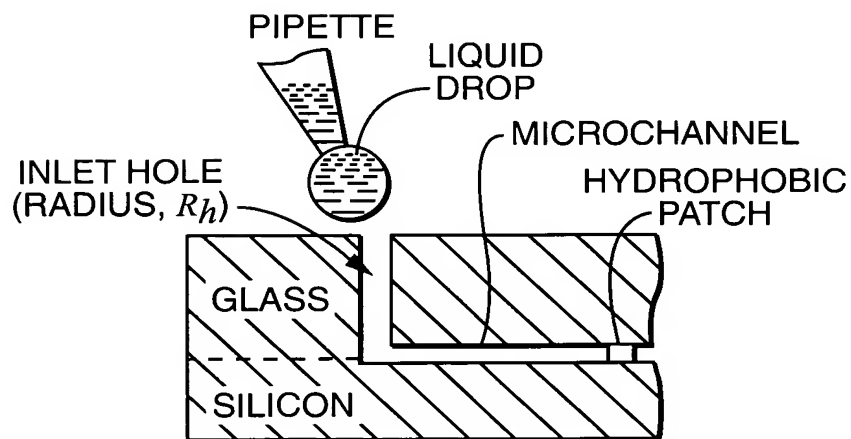


FIG. 6A

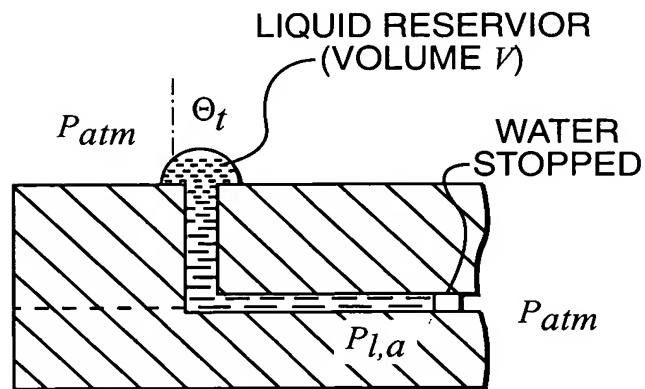


FIG. 6B

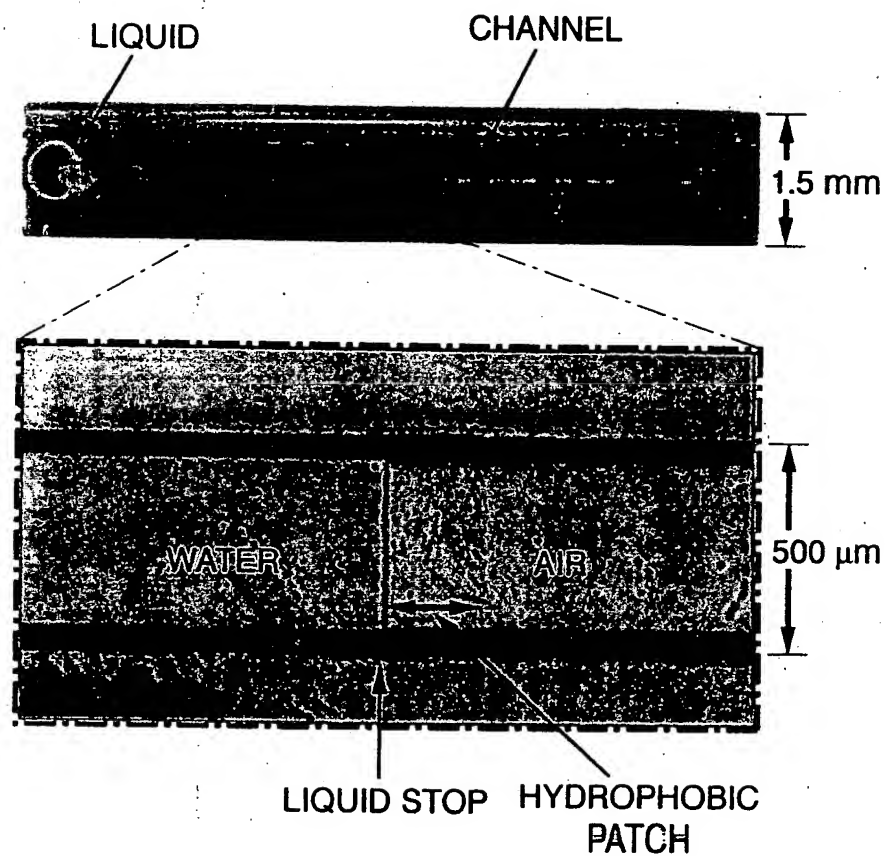


FIG. 6C



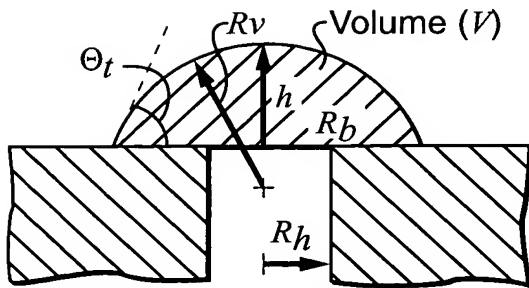


FIG. 7A

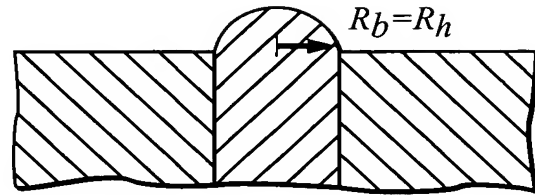


FIG. 7B

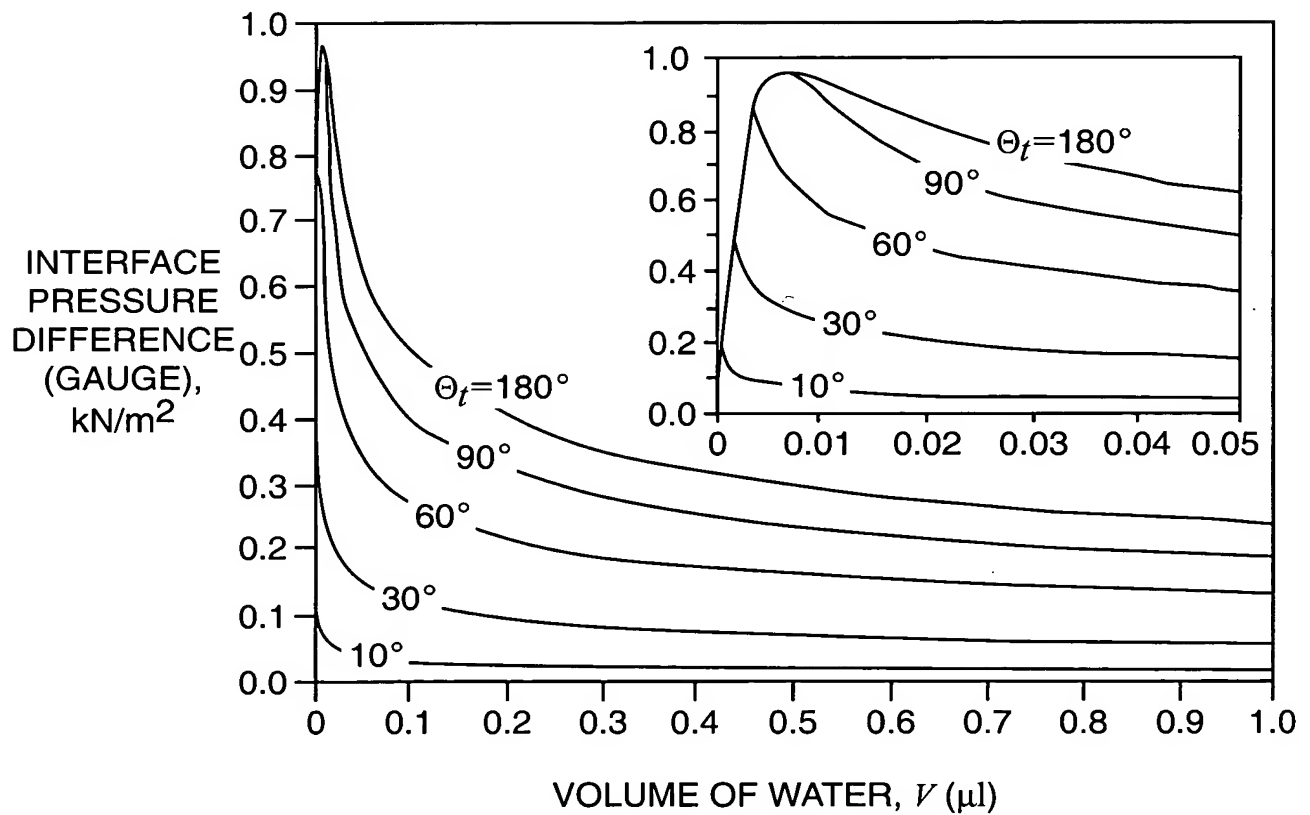
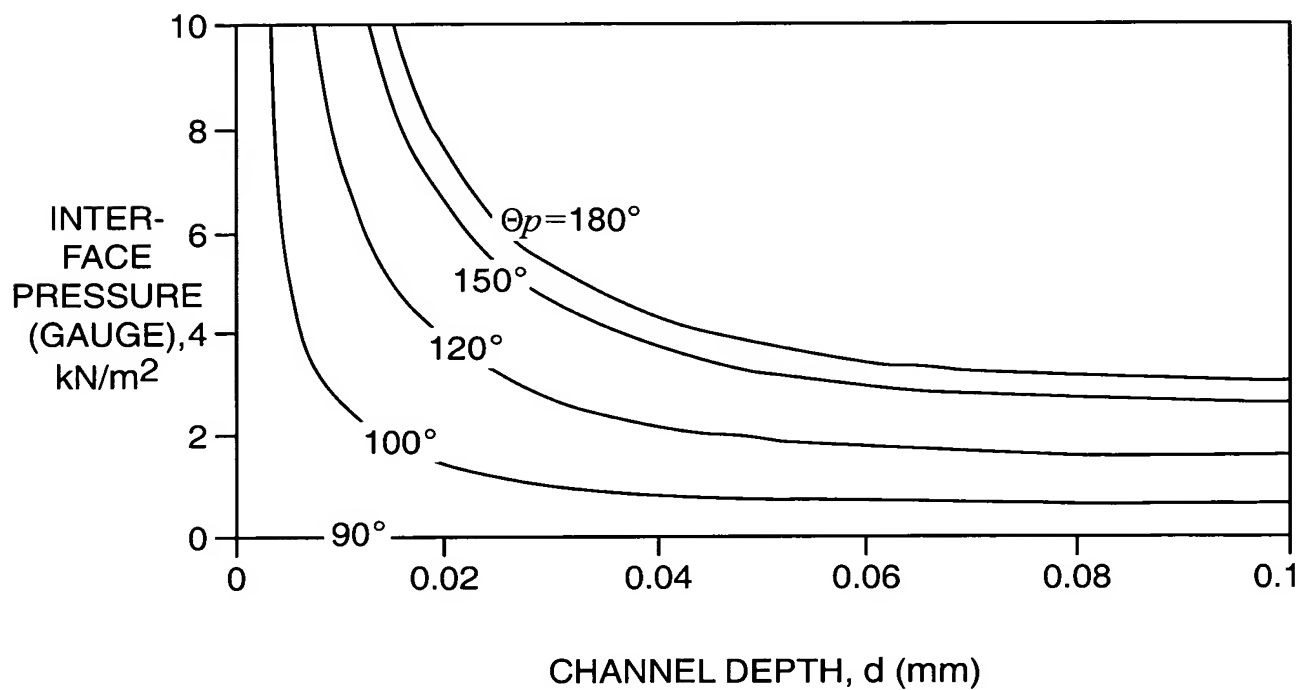
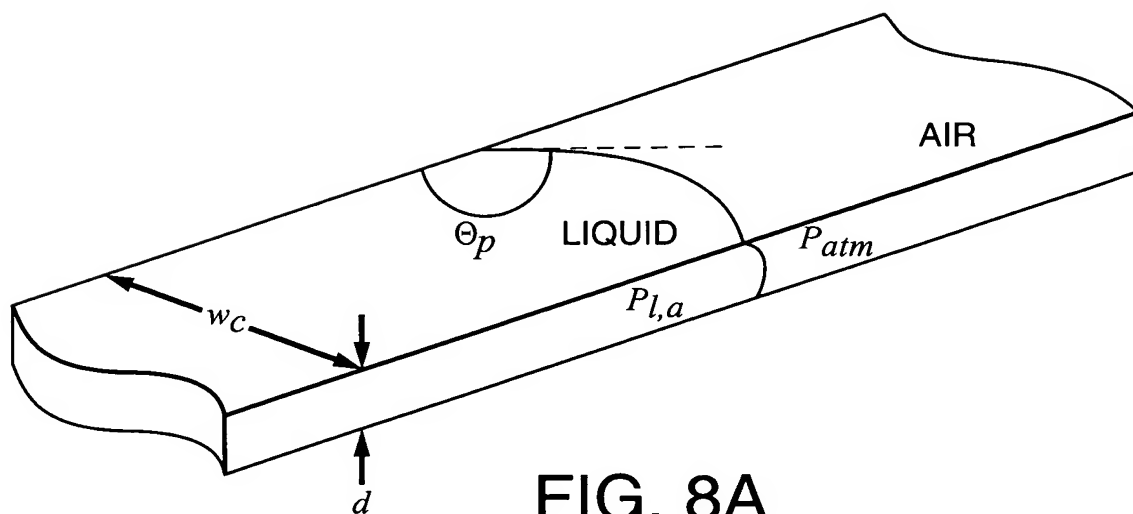


FIG. 7C



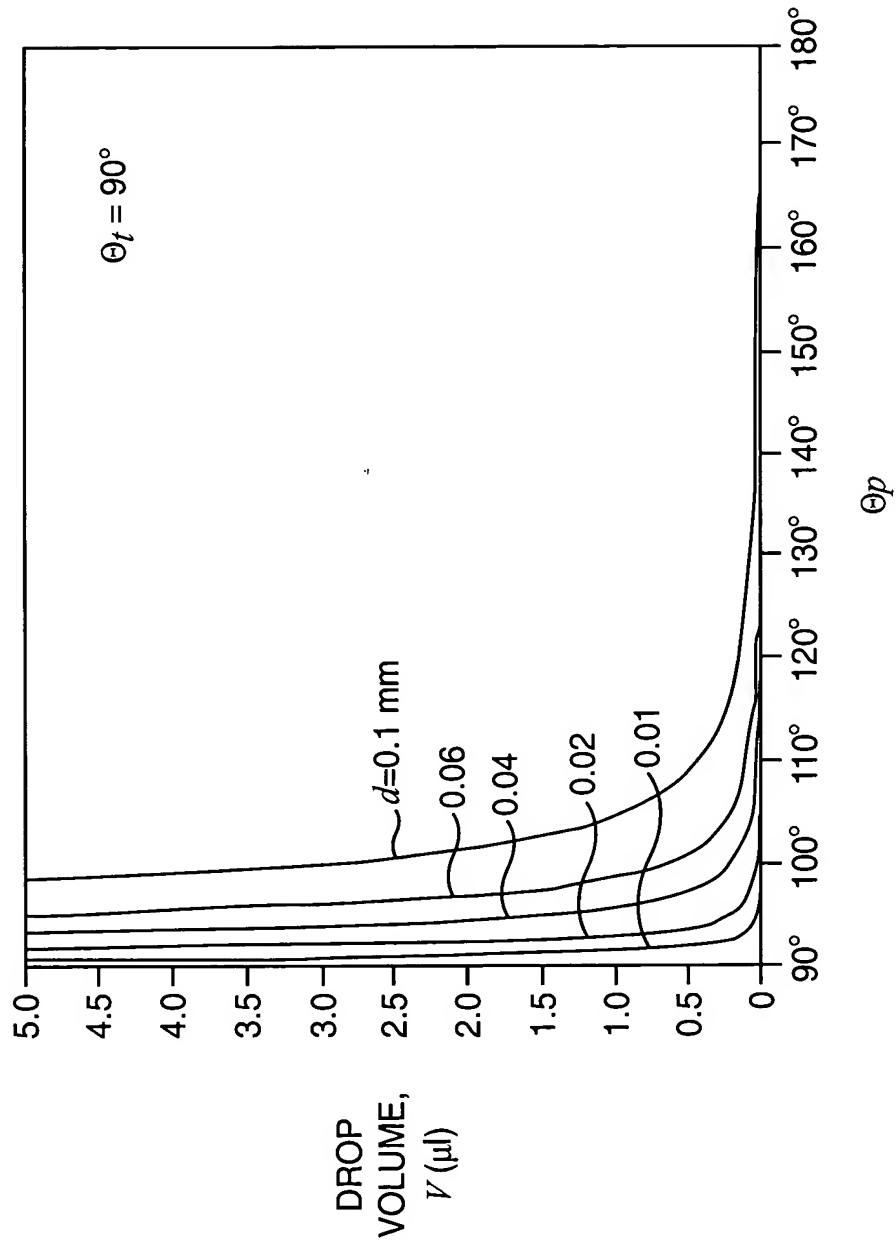


FIG. 9

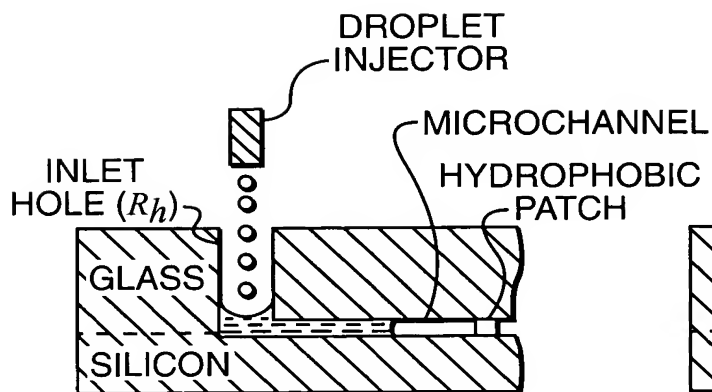


FIG. 10A

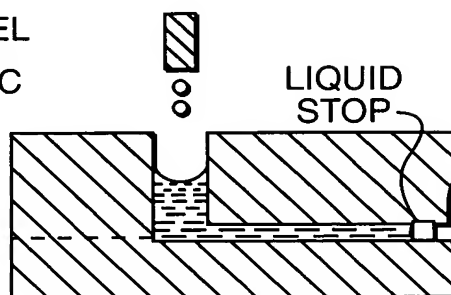


FIG. 10B

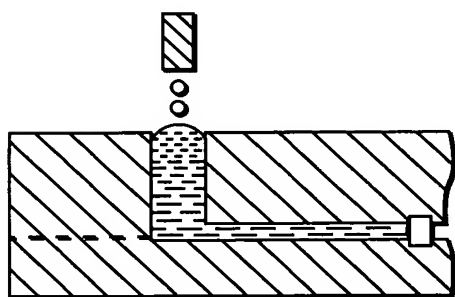


FIG. 10C

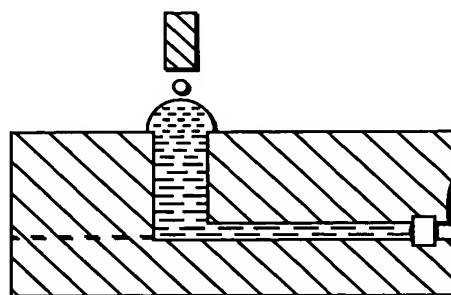
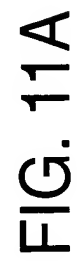


FIG. 10D



**FIG. 11A**

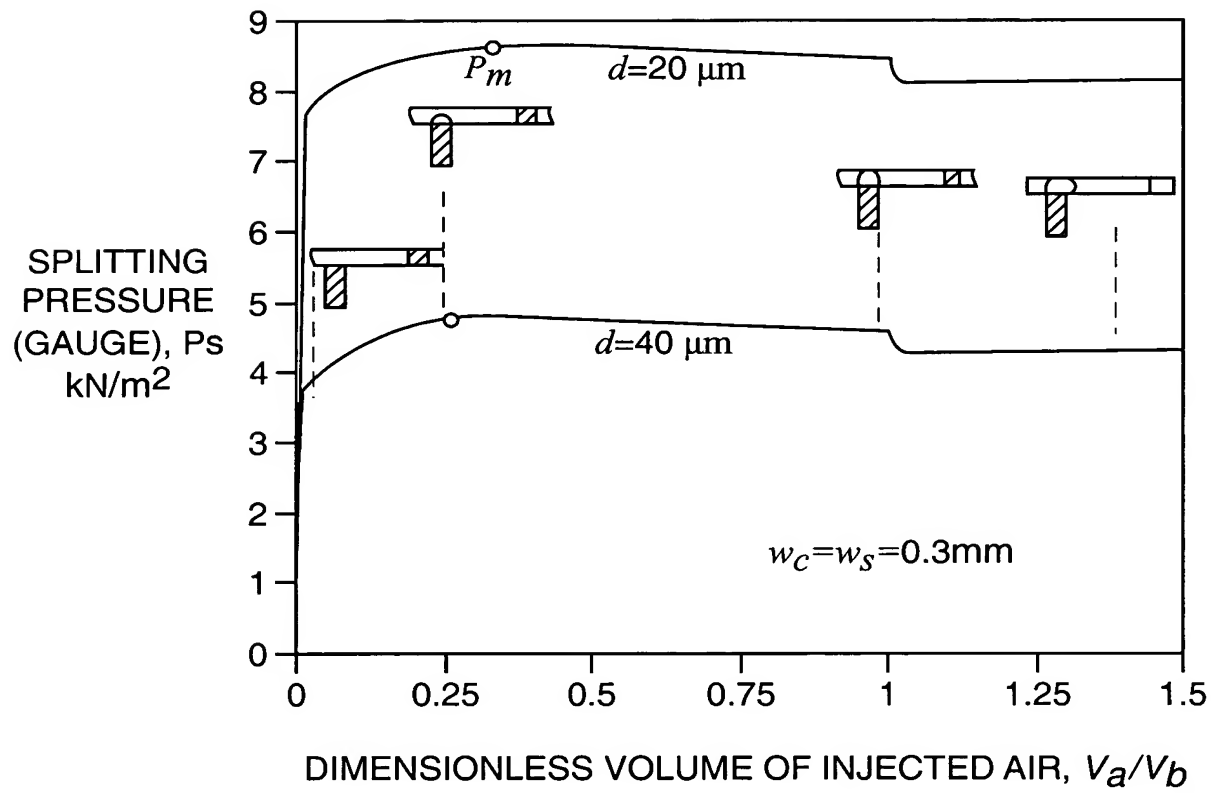
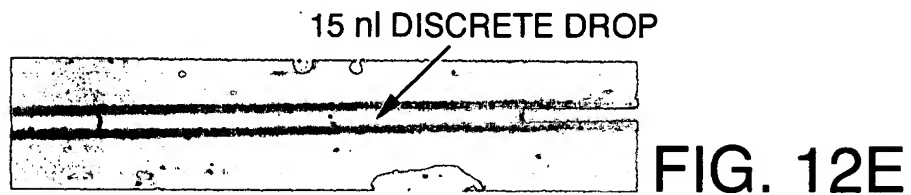
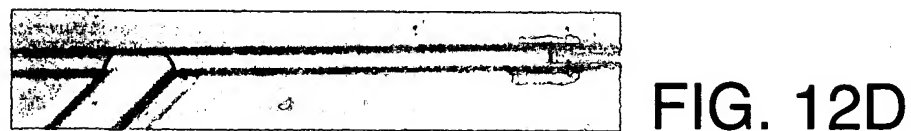
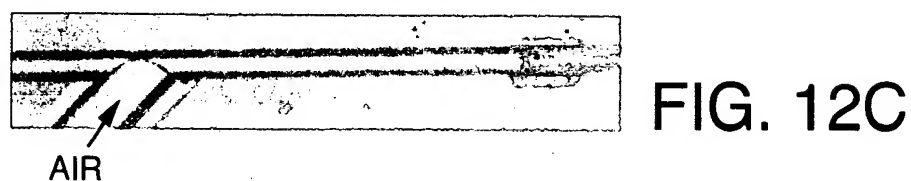
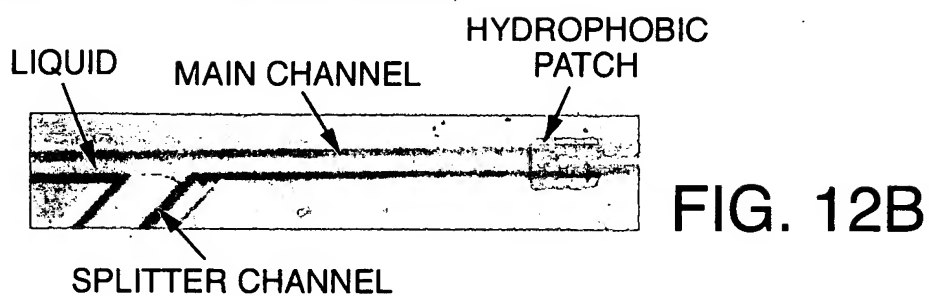
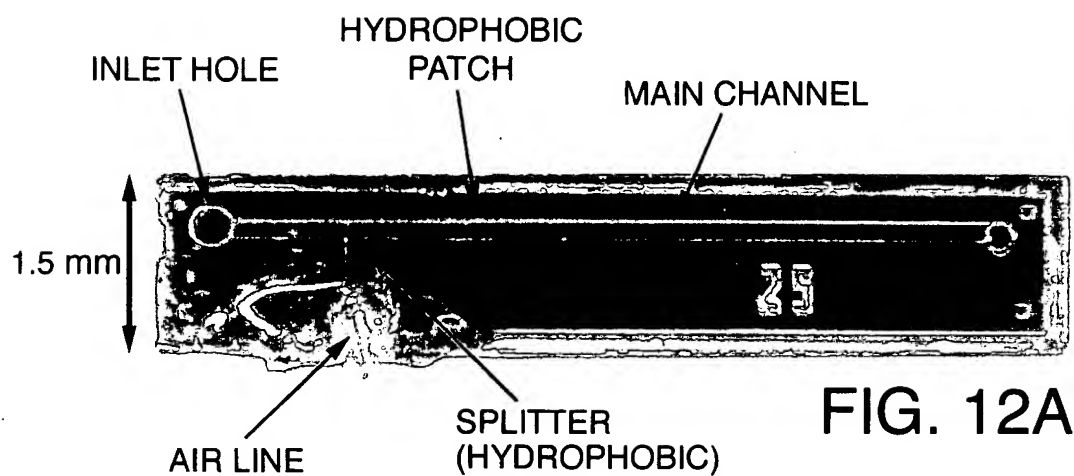


FIG. 11B



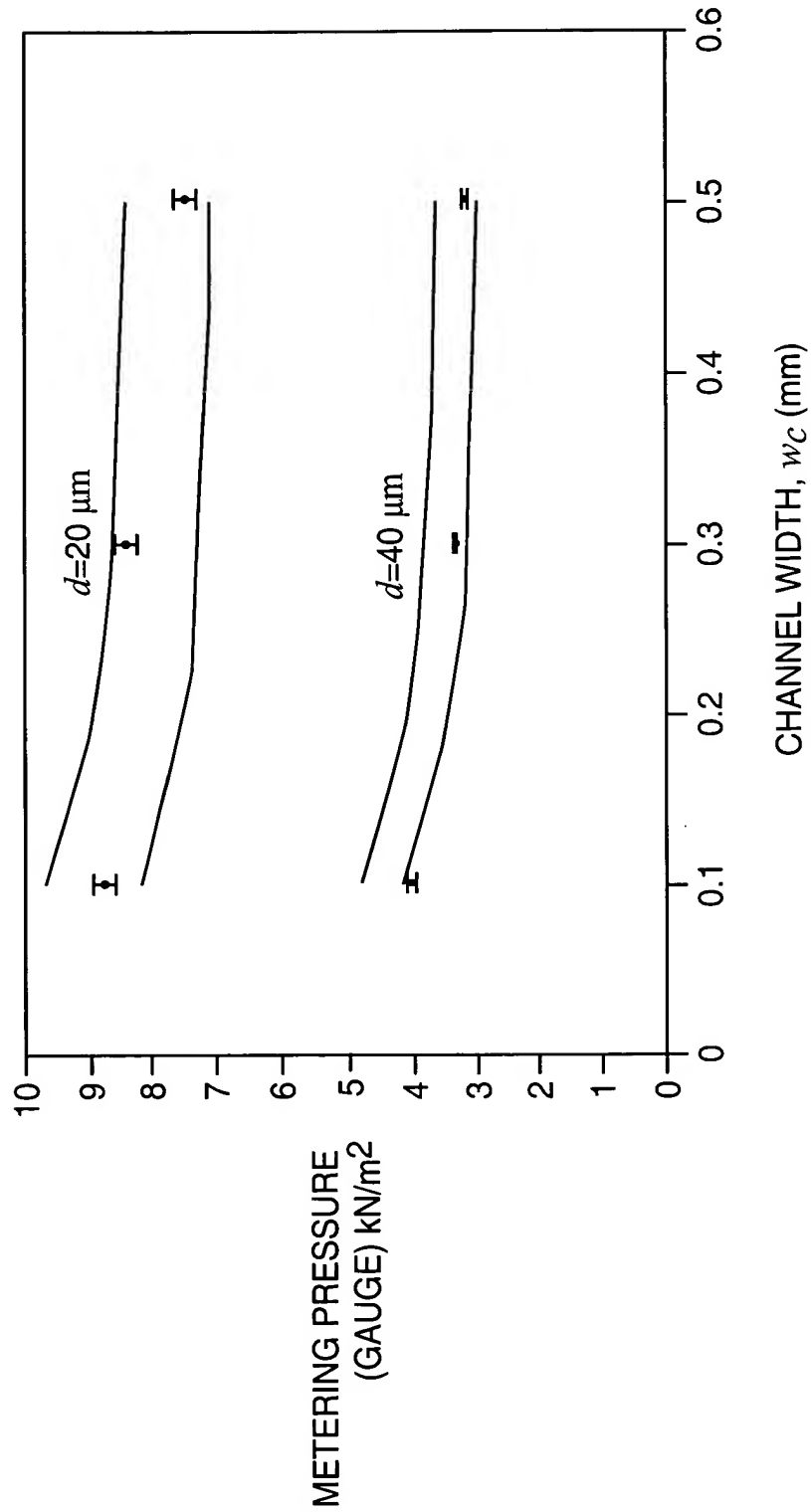


FIG. 13A



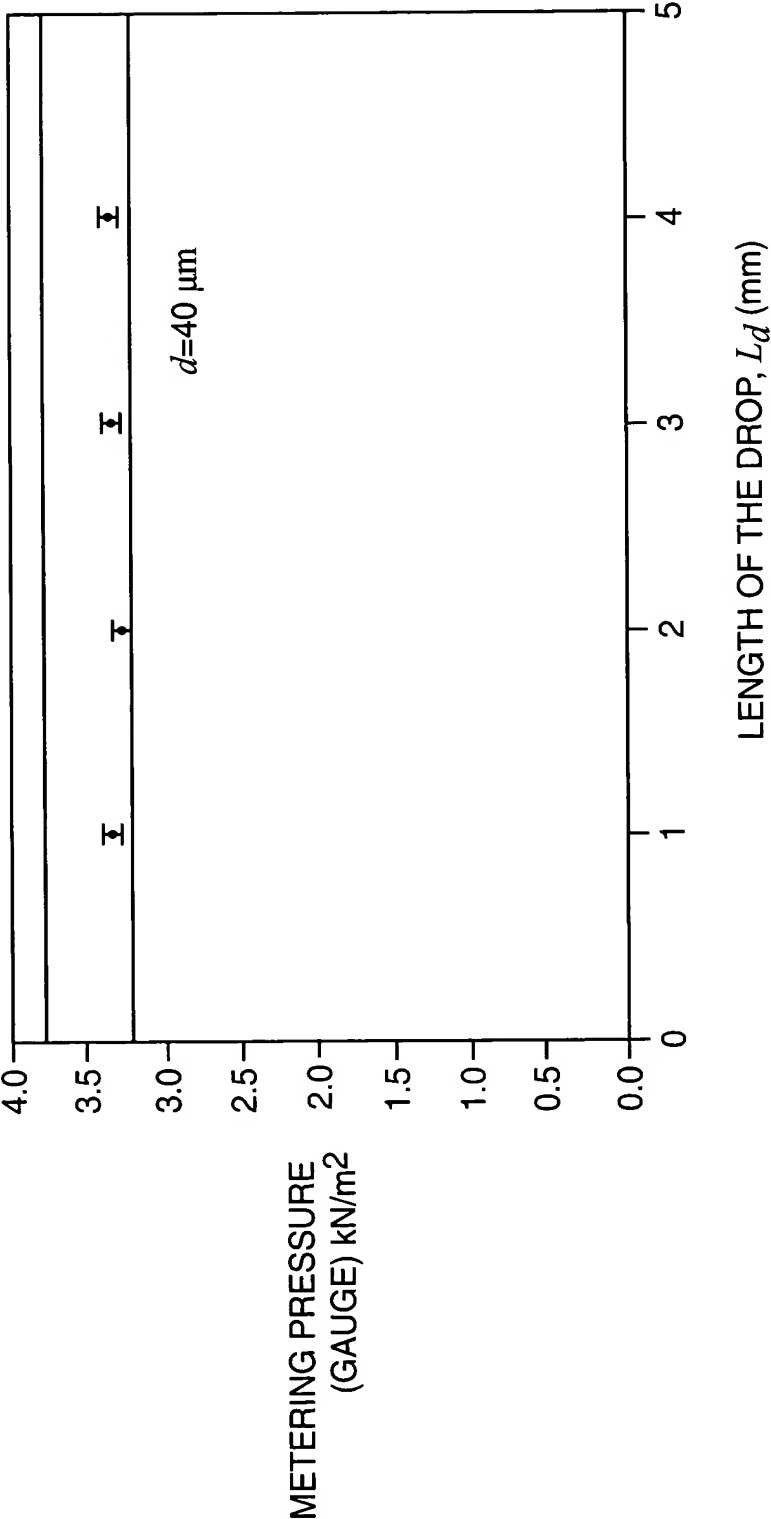


FIG. 13B

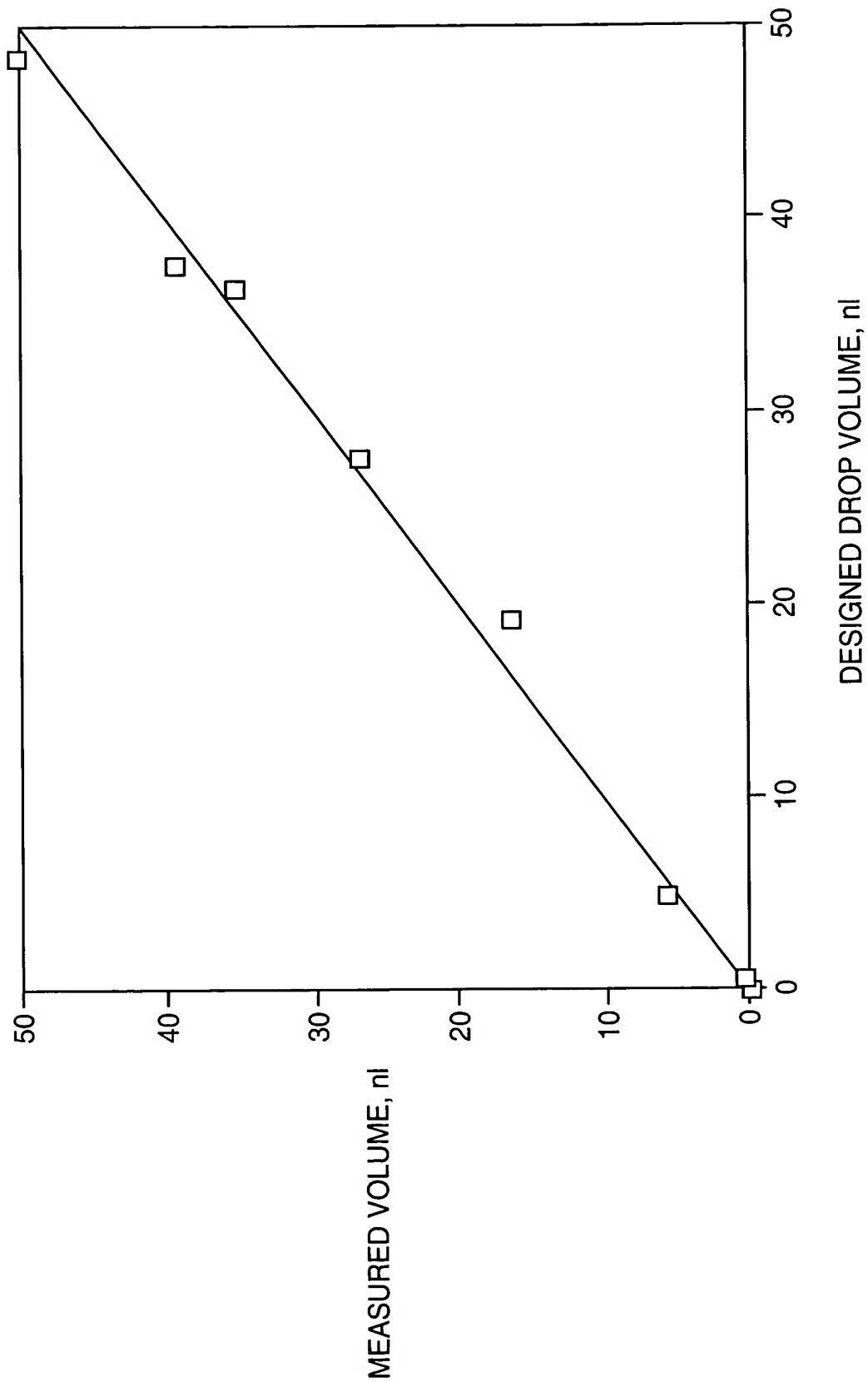


FIG. 14

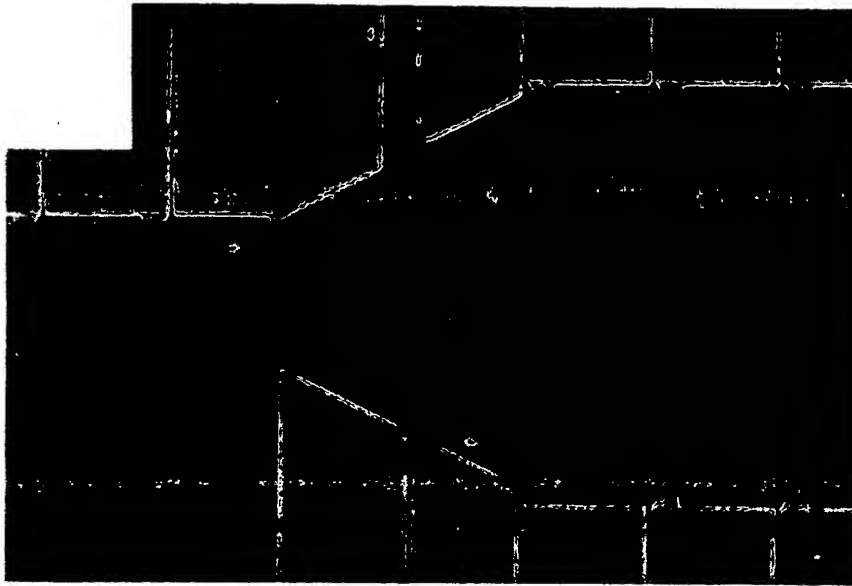


FIG. 15A

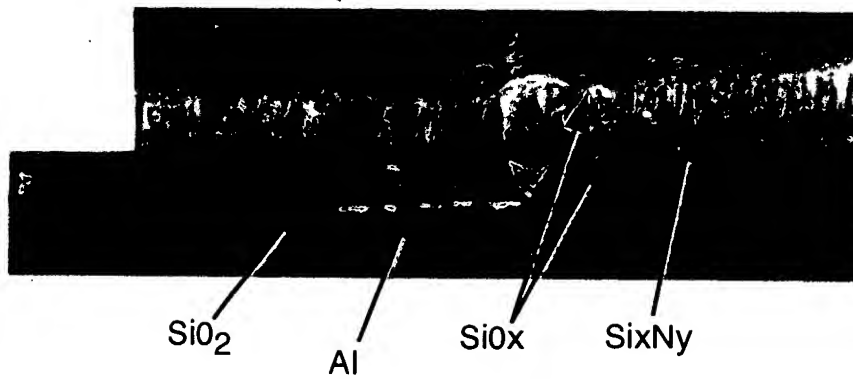


FIG. 15B

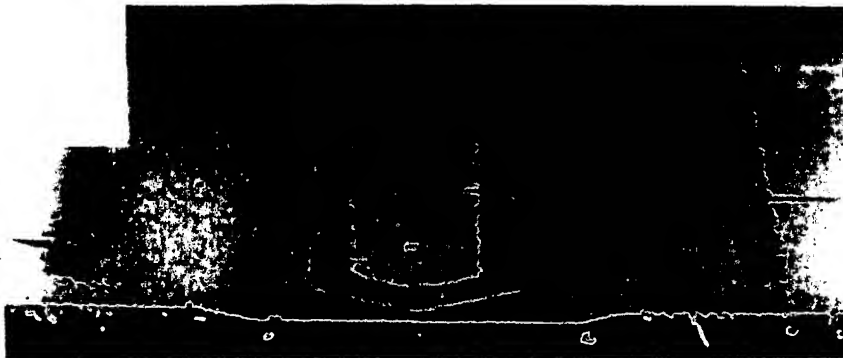


FIG. 15C

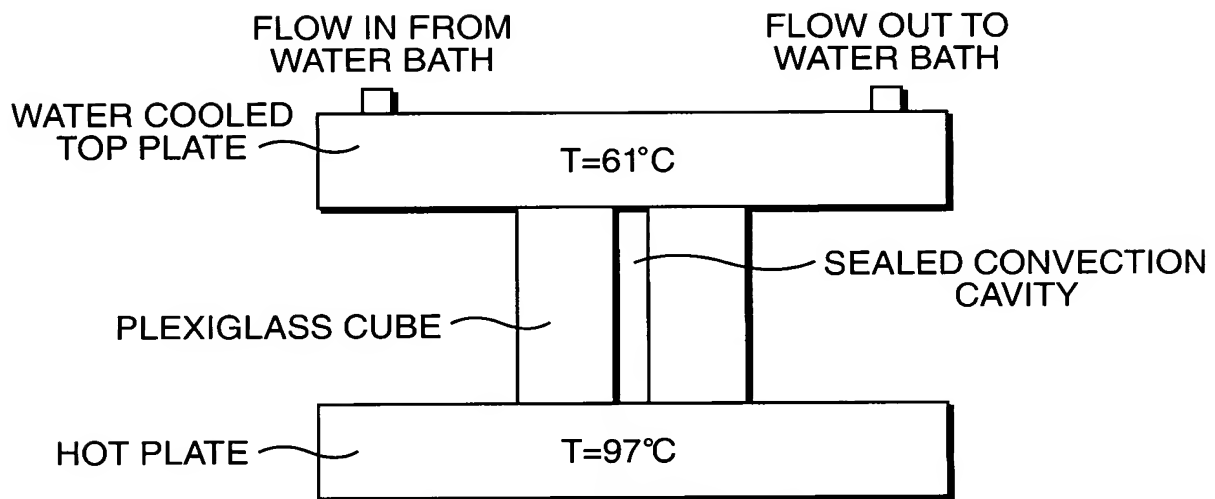


FIG. 16A

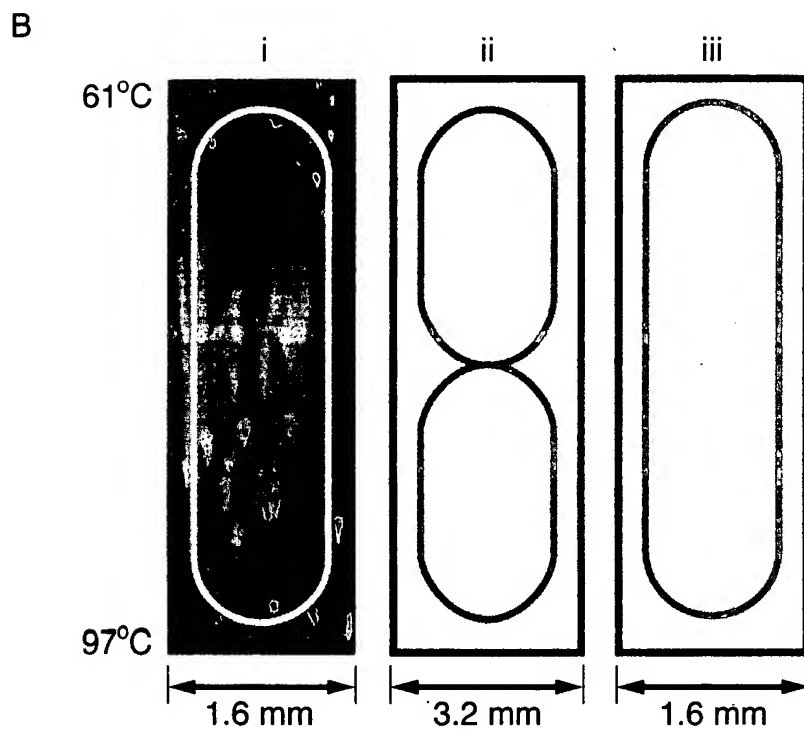


FIG. 16B

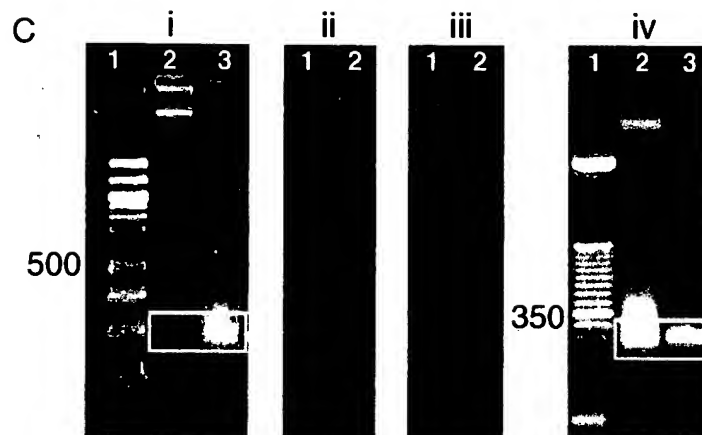


FIG. 16C